

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



IN RE APPLICATION OF: **TA-CHING PONG**

SERIAL NO.: **09/915,260**

FILED: **July 27, 2001**

FOR: **Pulse Propelling Flat Induction Motor**

GROUP ART UNIT: **2834**

EXAMINER: **P. Cuevas**

ATTY. REFERENCE: **PONG3003/EM/BEU**

## THE COMMISSIONER FOR PATENTS Washington, D.C. 20231

Sir:

Transmitted herewith is a communication/amendment in the above-identified application.

☒ Small entity status under 37 CFR 1.9 and 1.27 is claimed.

☒ No additional fee is required.

The fee, if any, has been calculated as shown below:

Fee Basis	Number of Claims After Amendment	Highest Number Previously Paid For	Extra Claims	Small Entity	Full Fee
Total Claims		<sup>1</sup> =	<sup>3</sup> × \$ 9 =		× \$ 18 =
Independent Claims		<sup>2</sup> =	<sup>3</sup> × \$ 42 =		× \$ 84 =
<input type="checkbox"/> First Presentation of Proper Multiple Dependent Claim				+ \$140 =	+ \$280 =
<b>TOTAL</b>					

<sup>1</sup> If less than 20 enter 20.

<sup>2</sup> If less than 3 enter 3.

<sup>3</sup> If less than 0 enter 0.

☐ Please charge my **Deposit Account Number 02-0200** in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is attached.

☐ A check in the amount of \$ \_\_\_\_\_ is attached.

☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication, including fees due under 37 CFR 1.16 and 37 CFR 1.17 or credit any overpayment to **Deposit Account Number 02-0200**. A duplicate copy of this sheet is attached.

☒ Also enclosed is/are:

Appendix A - clean copy of amended claims  
Appendix B - marked up copy of amended claims

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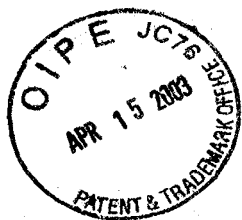
**23364**

PATENT TRADEMARK OFFICE

*Respectfully submitted,*

DATE: April 15, 2003

Benjamin E. Urcia  
Attorney for Applicant  
Registration Number: 33,805



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:	)	<u>Group Art Unit:</u> 2834
	)	
Ta-Ching PONG	)	<u>Examiner:</u> P. Cuevas
	)	
Serial Number: 09/915,260	)	<u>Attorney Docket:</u> PONG3003
	)	
Filed: July 27, 2001	)	<u>Confirmation No.:</u> 6814
	)	
For: Pulse Propelling Flat Induction Motor		

AMENDMENT AND RESPONSE

Honorable Assistant Commissioner For Patents  
Washington, D.C. 20231

Sir:

This paper is in response to the Official Action dated January 30, 2003. Kindly amend the application in accordance with the following particulars:

IN THE CLAIMS:

Please amend claims 1,, 5, and 9, as indicated by the clean copy in Appendix A and the marked-up copy in Appendix B, attached hereto.

REMARKS

Reconsideration of the application is respectfully requested for the following reasons:

1. Rejection of Claims 1, 2, 5, 6, and 9-10 Under 35 USC §103(a) in view of U.S. Patent No. 5,959,382 (Dauwalter) in view of "common knowledge in the art"

This rejection is respectfully traversed on the grounds that the Dauwalter patent fails to disclose or suggest using a flat metal part of an apparatus to be driven as the rotor of an induction motor system, much less using slots in the wheel to indicate the position of the rotor. Instead, Dauwalter discloses a magnetic rotor that is magnetically suspended from a stator and that is made to move or rotate in a controlled manner with five degrees of freedom, in contrast to the claimed invention which controls rotation about the z-axis-*i.e.*, the sixth degree of freedom.<sup>1</sup>

<sup>1</sup> According to Dauwalter, col. 5, lines 50-52: The sixth degree is the required rotor rotation which is controlled in a known fashion *that does not form part of this invention*.

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